

**WAINFORD RURAL DISTRICT**

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**ANNUAL REPORT**

*of the*

**MEDICAL OFFICER OF HEALTH**

*and the*

**ENGINEER, SURVEYOR**

*and*

**CHIEF PUBLIC HEALTH INSPECTOR**

*for*

**1969**



# Rural District of Wainford

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**MEDICAL OFFICER OF HEALTH**

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and

**CHIEF PUBLIC HEALTH INSPECTOR**

for the year

**1969**

Medical Officer of Health

A. C. Gee

M.R.C.S., L.R.C.P., D.P.H.

Engineer, Surveyor and  
Chief Public Health Inspector

Ivan S. Armstrong

F.I.P.H.E., F.R.S.H., M.A.P.H.I.

Deputy Surveyor and  
Additional Public Health Inspector

Frank E. Pooley

M.R.S.H., M.A.P.H.I.

# I N D E X

## TO ANNUAL REPORT OF

### MEDICAL OFFICER OF HEALTH, THE ENGINEER, SURVEYOR AND CHIEF PUBLIC HEALTH INSPECTOR

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**RURAL DISTRICT OF WAINFORD**  
**ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1969**

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To:—The Chairman and Members of Wainford Rural District Council

Madam Chairman, Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the health of your district for the year 1969.

The most noticeable feature upon which to comment is the fact that only four cases of measles were notified compared with 136 the previous year. This low figure cannot, I am afraid, be ascribed to the success of the anti-measles immunisation scheme, as this is still operating under difficulties, the chief of which has been shortage of vaccine. The low figure is due to the fact that measles shows a biennial prevalence, i.e. there are alternate years of high and low incidence and the year under review was a year of low incidence, the previous year being one of high incidence. At the time of writing this report, we have just experienced quite a high incidence of measles again. Supplies of anti-measles vaccine are now becoming available once more and it is to be hoped that the anti-measles vaccination campaign can now go ahead uninterrupted by further shortage of vaccine.

There has been a slight drop in the Birth Rate and also in the Death Rate. The population of the district has, however, risen by some 120 persons. It is very satisfactory to record that there were no infant deaths during the year under review. The causes of death follow closely the national trend.

May I take this opportunity of thanking you Madam Chairman and your Health Committee members for the interest and consideration you have taken in the health aspects of the Council's work and also add a word of thanks to my colleagues for their support.

ARTHUR C. GEE,  
*Medical Officer of Health*

Council Offices,  
1 Saltgate,  
BECCLES, Suffolk.

## GENERAL STATISTICS

Area (in acres) .....	44,900
Registrar-General's estimate of population (mid-1969) .....	6,970
Number of inhabited houses (estimated) .....	2,451
Rateable Value .....	£152,964
Product of Penny Rate (estimated) .....	£610
Number of Parishes .....	33

	<i>Wainford R.D.</i>	<i>England and Wales</i>
<b>Live Births</b>		
Number .....	95	797,542
Rate per 1,000 population .....	14.8	16.3
<b>Illegitimate Live Births</b> per cent of total live births .....	7.0	8.0
<b>Stillbirths</b>		
Number .....	1.0	10,662
Rate per 1,000 total live and still births .....	10.0	13.0
<b>Total Live and Still Births</b> .....	96.0	808,204
<b>Infant Deaths</b> (deaths under 1 year) .....	—	18.0
<b>Infant Mortality Rates</b>		
Total infant deaths per 1,000 total live births .....	—	18.0
Legitimate infant deaths per 1,000 legitimate live births .....	—	17.0
Illegitimate infant deaths per 1,000 illegitimate live births .....	—	25.0
<b>Neo-Natal Mortality Rate</b> (deaths under 4 weeks per 1,000 total live births) .....	—	12.0
<b>Early Neo-Natal Mortality Rate</b> (deaths under 1 week per 1,000 live births) .....	—	10.0
<b>Perinatal Mortality Rate</b> (stillbirths and deaths under 1 week combined per 1,000 total live and still births) .....	10.0	23.0
<b>Maternal Mortality</b> (including abortion)		
Number of deaths .....	—	—
Rate per 1,000 total live and still births .....	—	—

# VITAL STATISTICS

	Male	Female	Total
<b>Live Births</b>			
Total .....	49	46	95
Legitimate .....	46	42	88
Illegitimate .....	3	4	7
<b>Still Births</b>			
Total .....	—	1	1
Legitimate .....	—	1	1
Illegitimate .....	—	—	—
<b>Deaths of Infants Under 1 Year of Age</b>			
Total .....	—	—	—
Legitimate .....	—	—	—
Illegitimate .....	—	—	—
<b>Deaths of Infants Under 4 Weeks of Age</b>			
Total .....	—	—	—
Legitimate .....	—	—	—
Illegitimate .....	—	—	—
<b>Deaths of Infants Under 1 Week of Age</b>			
Total .....	—	—	—
Legitimate .....	—	—	—
Illegitimate .....	—	—	—
<b>Deaths — All Ages</b>	28	32	60

## RATES

	<i>Wainford R.D.</i>	<i>England and Wales</i>
Adjusted Birth Rate .....	14.8	16.3
Death rate per 1,000 estimated population .....	8.6	11.9
Adjusted Death Rate .....	8.8	—

Comparability Factor (Births) .....	1.09
Comparability Factor (Deaths) .....	1.02

## INFANT DEATHS

No infant deaths recorded.

## CAUSE OF DEATH

Cause of Death						<i>Male</i>	<i>Female</i>	<i>Total</i>
B19 (3)	Malignant neoplasm, stomach	.....	.....	.....	.....	1	—	1
B19 (4)	Malignant neoplasm, intestine	.....	.....	.....	.....	1	2	3
B19 (6)	Malignant neoplasm, lung, bronchus	.....	.....	.....	.....	3	—	3
B19	Malignant neoplasm, uterus	.....	.....	.....	.....	—	2	2
B21	Diabetes Mellitus	.....	.....	.....	.....	1	—	1
B46	Other diseases of nervous system, etc.	.....	.....	.....	.....	—	—	—
B27	Hypertensive disease	.....	.....	.....	.....	1	1	2
B28	Ischaemic heart disease	.....	.....	.....	.....	10	5	15
B29	Other forms of heart disease	.....	.....	.....	.....	4	2	6
B30	Cerebrovascular disease	.....	.....	.....	.....	3	10	13
B46	Other circulatory diseases	.....	.....	.....	.....	1	5	6
B31	Influenza	.....	.....	.....	.....	—	1	1
B32	Pneumonia	.....	.....	.....	.....	—	2	2
B33	Bronchitis and emphysema	.....	.....	.....	.....	1	—	1
Carried Forward .....						26	30	56



Cause of Death						Male	Female	Total
			Brought Forward	.....	.....	26	30	56
B46 (7)	Other diseases of digestive system	.....	.....	.....	.....	—	—	—
B38	Nephritis and nephrosis	.....	.....	.....	.....	—	—	—
B39	Hyperplasia of prostate	.....	.....	.....	.....	—	—	—
B46 (8)	Other diseases, genito-urinary system	.....	.....	.....	.....	—	—	—
B42	Congenital anomalies	.....	.....	.....	.....	—	1	1
B46 (9)	Diseases of skin, subcutaneous tissue	.....	.....	.....	.....	—	1	1
BE47	Motor vehicle accidents	.....	.....	.....	.....	2	—	2
						28	32	60

**DEATHS FROM CANCER OF THE LUNG AND BRONCHUS DURING  
THE YEARS 1958—1969**

Year	Male	Female	Total	Death rate per 1,000 Population
1958	2	—	2	0.29
1959	—	1	1	0.15
1960	2	—	2	0.29
1961	1	1	2	0.32
1962	2	—	2	0.32
1963	1	1	2	0.31
1964	5	—	5	0.77
1965	4	—	4	0.61
1966	5	—	5	0.76
1967	3	—	3	0.44
1968	2	—	2	0.29
1969	4	—	4	0.57
Total	31	3	34	

## ADJUSTED BIRTH AND DEATH RATE: COMPARABILITY FACTOR

Local birth rates are expressed in terms of population. These populations are estimated by the Registrar General and comprise persons of all ages, including those who have no influence on the birth rate. These latter do, however, affect the birth rate in that a high proportion of them in a population tends to lower, and a small proportion tends to raise the true rate. The size of this proportion will vary in different areas and, therefore, the elimination of standardization of such a factor will give a truer comparison between areas.

The Registrar General issues a comparability factor on these lines. Multiplication of the crude birth rate of an area by the comparability factor gives the adjusted birth rate and can be compared with the crude rate for England and Wales.

The comparability factor for deaths is obtained in a similar way to the above. The factors for certain areas, where rapid increase or reduction in the population materially affects its comparison by sex and age groups, are also adjusted on that account. Death rate area comparability factors are adjusted to take account of the presence of any residential institutions in each area. Birth rate area comparability factors are also adjusted to take account of the presence of sterile populations in institutions for the mentally ill or mentally deficient.

**TABLE SHOWING THE MORE IMPORTANT CAUSES OF DEATH,  
NUMBERS AND PERCENTAGES**

<i>Cause of Death</i>	<i>No. of Deaths</i>		<i>Percentage</i>	
	1969	1968	1969	1968
Diseases of circulatory system .....	42	33	70.00	55.00
Vascular lesions of nervous system .....	—	1	—	1.67
Malignant diseases .....	9	7	15.00	11.67
Pneumonia and Bronchitis .....	3	5	5.00	8.33
Influenza .....	1	3	1.67	5.00
All other causes .....	5	11	8.33	18.33
<i>Total:</i>	60	60	100.00	100.00

In 1969 85% of all deaths fell under the first three headings. The comparable figure for 1968 was 67% and for 1967 was 68%.

# COMPARATIVE STATISTICS

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Population .....	6,820	6,820	6,240	6,290	6,340	6,450	6,550	6,680	6,780	6,850	6,970
No. of inhabited houses .....	2,200	2,067	2,068	2,145	2,301	2,132	2,132	2,192	2,331	2,378	2,451
No. of Live Births	91	106	110	93	97	101	89	129	87	115	95
Birth Rate (crude)	13.3	15.54	17.6	14.7	15.3	15.6	13.5	19.31	12.8	16.8	13.6
No. of Still Births	2	3	5	2	3	1	3	—	1	1	1
Maternal Mortality	—	—	—	—	—	—	—	—	—	—	—
Infant Mortality Rate .....	10.9	37.73	18.1	21.5	10.3	9.9	22.4	15.5	22.9	52.1	—
No. of Deaths .....	(1)	(4)	(2)	(2)	(1)	(1)	(2)	(2)	(2)	(6)	(—)
No. of Deaths (all ages) .....	67	74	50	61	74	64	80	78	70	50	60
Death Rate (crude)	9.8	10.85	8.1	9.7	11.6	9.9	12.2	11.67	10.32	8.8	8.6

**NUMBER OF ALL CONFIRMED CASES OF INFECTIOUS AND OTHER NOTIFIABLE  
DISEASES NOTIFIED DURING THE YEAR 1969 ACCORDING TO AGE AND SEX**

Age	Scarlet Fever			Whooping Cough			Polio			Measles			Diphtheria			Dysentery			Meningococcal Infection			Primary Pneumonia			Erysipelas		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Under 1 year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 years	1	-	1	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 years	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 years	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5—9 years	1	2	3	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10—14 years	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15—24 years	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25—44 years	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45—64 years	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65 or over	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	3	5	-	-	-	-	-	-	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3 Males plus 6 Females — 9



# TUBERCULOSIS

	<i>Males</i>		<i>Females</i>		<i>Total</i>
	<i>Pulmonary</i>	<i>Non-Pulmonary</i>	<i>Pulmonary</i>	<i>Non-Pulmonary</i>	
No. of cases on the Register at 31st December, 1968 .....	9	2	9	3	23
No. of cases added during the year .....	—	—	1	—	1
No. of cases removed during the year .....	—	—	—	—	—
No. of cases on the Register at 31st December, 1969 .....	9	2	10	3	24

<i>Cases added to the Register</i>	<i>Cases removed from the Register</i>
New notifications .....	Recovered .....
Inward transfers .....	Died .....
	Removed to other areas .....
<i>Total:</i> .....	<i>Total:</i> .....

# RURAL DISTRICT OF WAINFORD

## ANNUAL REPORT OF THE ENGINEER, SURVEYOR AND CHIEF PUBLIC HEALTH INSPECTOR FOR 1969

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To: The Chairman and Members of Wainford Rural District Council.

Madam Chairman, Ladies and Gentlemen,

I present with pleasure my report for 1969.

The year was one of continued progress in every field and of special significance was the advent of the Council's first Grouped Homes Scheme for the elderly at Brampton. This project is probably unique for a district of our modest size in that it was designed, furnished, supervised and commissioned entirely from within the department. My sincere thanks are due to each and every one of the staff who became enthusiastically involved in the work and have contributed so very much to its success.

The sewerage of our smaller villages and neighbourhoods has enabled modernisation of both private and Council property to progress well and 25% of all dwellings within the district have now been improved with the help of grants.

The food processors continue to expand and the new factory at Flixton is nearing completion.

My thanks are again due to my deputy, Frank Pooley, and the whole staff for their excellent teamwork throughout the year.

IVAN S. ARMSTRONG,

*Engineer, Surveyor and Chief Public Health Inspector*

Council Offices,  
1 Saltgate,  
Beccles,  
Suffolk.

## HOUSING

(a)	Number of houses inspected during year	.....	.....	.....	.....	.....	.....	.....	471
(b)	Number of houses found to be unsatisfactory	.....	.....	.....	.....	.....	.....	.....	119
(c)	Number of houses rendered fit:								
	By informal action	.....	.....	.....	.....	.....	.....	.....	158
	By formal action	.....	.....	.....	.....	.....	.....	.....	—
(d)	Demolition Orders made	.....	.....	.....	.....	.....	.....	.....	5
(e)	Closing Orders made	.....	.....	.....	.....	.....	.....	.....	6
(f)	Undertakings accepted	.....	.....	.....	.....	.....	.....	.....	—
(g)	Houses demolished under (d)	.....	.....	.....	.....	.....	.....	.....	7
(h)	Houses demolished by informal action	.....	.....	.....	.....	.....	.....	.....	1

(i) Housing Resurvey:

A village by village housing resurvey continued throughout the year, owners of all suitable property being asked to provide modern amenities and take advantage of the grant schemes wherever possible.

Twenty eight parishes have now been completed, these being All Saints, Barsham, Blyford, Brampton, Ellough, Flixton, Homersfield, Holton, Mettingham, North Cove, Redisham, Ringsfield, St. James, St. John, St. Lawrence, St. Margaret Ilk., St. Michael, St. Peter, Shadingfield, Sotherton, Sotterley, Spexhall, Stoven, Westhall, Weston, Willingham, Wissett and Worlingham.

(j) Provision of Housing accommodation.

	<i>By Local Authority</i>	<i>By Private Enterprise</i>
1. Dwellings completed during year	—	47
2. Number of houses in course of construction on 31st December, 1969	Grouped Homes Scheme (20 units) & Warden's Accom.	53
3. Total number of houses owned by Council on 31st December, 1969	451	—

(k) Under Construction  
Grouped Homes Accommodation at Brampton

- 10 2 person Bungalows
- 2 2 person Units
- 8 1 person Units
- 1 Warden's Flat

Work was nearing completion with this scheme as the year closed.

(l)	Council houses available for letting during year	.....	.....	.....	.....	.....	.....	.....	11
(m)	Number of dwellings acquired by the Council	.....	.....	.....	.....	.....	.....	.....	—



(n)	Improvement and Modernisation of Dwellings				
	In the private sector, work is progressing at a rate consistent with the economic situation.				
	The Council continues to implement its own phased house modernisation policy and the remaining three schemes are being dealt with by the direct labour staff.				
(o)	Overcrowding:				
	No known cases during the year.				
(p)	Improvement Grants	Discretionary	Standard	Total	
	Number of dwellings in respect of which applications were made during the year	9	20	29	
	Number of dwellings in respect of which grants were approved during the year	9	19	28	
	Total number of dwellings improved during year	7	29	36	
	Total number of dwellings approved for grants to 31st December, 1969	177	307	484	
	Total number of dwellings completed at 31st December, 1969	172	271	443	
(q)	Movable Dwellings:				
	Number of site licences in force				17
	Inspections made				41
	Contraventions remedied				6

### SCRAP METAL DEALERS ACT

Seven dealers are registered.

### BUILDING DEVELOPMENT

During the year three hundred and thirty two plans were considered under the Building Regulations.

### FOOD HYGIENE

A complete survey of all premises was carried out during the year.

(a)	Number of food premises								45
	Number of premises fitted to comply with Regulation 16								45
	Number of premises to which Regulation 19 applies								45
	Number of premises fitted to comply with Regulation 19								45
(b)	Inspections made:								487
	Premises found to be unsatisfactory								6
	Premises rendered satisfactory								6
(c)	Premises registered under the Food and Drugs Act, 1955:								
	Ice Cream — storage and sale								23
	Sausages — preserved foods								1
(d)	Poultry processing and inspection:								
	Number of poultry processing premises within the district								2
	Number of visits to poultry processing premises within the district								340
	Total number of birds processed during year								
							broilers	2,272,318	
							turkeys	613,876	
	Types of birds processed						broilers		
							capons		
							turkeys		
	Percentages of birds rejected as unfit for human consumption						broilers	0.9523%	
							turkeys	0.3459%	
	Weight of poultry condemned as unfit for human consumption						49 tons 5 cwts. 27 lbs.		



During the year the factory at Flixton has been modernised and enlarged. The capacity of the private sewage disposal works has also been increased by the construction of a "Pasveer" oxidation ditch.

The "spotter" system of inspection is in operation at the Poultry Processing Factories in accordance with Circular 21/61 (Ministry of Agriculture, Fisheries & Food).

There is substantial evidence that many chickens arriving at the factory are infected with various types of salmonellae, but infection is reduced by the addition of chlorine to the water supplying the factory as under:—

On the evisceration line — 20 p.p.m.

In the spin chiller — 50 p.p.m.

A high standard of hygiene has been maintained through the year.

### RODENT CONTROL

- (a) Inspections and treatment:
- |                              |                     |       |       |       |       |       |       |       |     |
|------------------------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-----|
| Number of premises inspected | .....               | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 963 |
| Number of premises treated   | (i) dwellinghouses  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 352 |
|                              | (ii) other premises | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 132 |
- (b) The Council provided a contract service during the year to thirty five farms and small-holdings.

### PUBLIC CLEANSING

- (a) Refuse Collection and Disposal:
- The compression vehicle has enabled the department to offer a clean and efficient service to all parts of the district.
- |   |       |       |       |       |       |       |       |       |        |
|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Quantity of refuse collected during year in cubic yards | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9,360  |
| Miles travelled   | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13,280 |
- Frequency of collections:
- |                                   |             |       |       |            |       |       |
|-----------------------------------|-------------|-------|-------|------------|-------|-------|
| Worlingham, Holton and North Cove | Weekly      | ..... | ..... | properties | ..... | 786   |
| Remaining villages                | Fortnightly | ..... | ..... | properties | ..... | 1,665 |

Disposal:

Two tips at North Cove and St. John

Tipping facilities were provided for Bungay U.D.C. at St. John.

- (b) Cesspool Emptying:
- In July, a new "Yorkshire" 1,000 gallon cesspool emptier was commissioned. With the larger capacity, further main sewerage schemes being completed and a drier year, the number of loads removed was reduced.
- Emptying facilities were made available to the Beccles Borough, Halesworth and Bungay Urban District Councils.

	Number of Cesspools and Septic Tanks	Number of Loads
Local Authority.....	39	116
Private .....	243	456
Total .....	282	572

## SEWERAGE AND SEWAGE DISPOSAL

- (a) Seventeen parishes have a sewerage scheme in operation and a further six have schemes in various stages of construction or preparation.

The policy of polishing effluents over surface irrigation areas planted with poplars is extremely successful.

The Shipmeadow scheme, with two pumping stations, was completed during the year and construction commenced at St. Andrews (Top Road).

It is inevitable that as the programme enters its closing stages, costs per property tend to become rather high.

<b>Sewered Parishes:</b>	Number of Premises in Parish.	Length of Sewers in yards.
Blyford	46	913
Brampton	91	1162
Flixton	46	967
Holton	193	4503
Homersfield	54	647
North Cove	66	763
Ringsfield	84	1581
St. James	58	1518
St. Lawrence with Spexhall	129	1852
St. Margaret Ilketshall	63	658
Shipmeadow	59	1310
Westhall	93	1379
Willingham with Shadingfield	92	940
Wissett	103	732
Worlingham	465	4421
<b>Schemes Under Construction:</b>		<u>23,346</u>
St. Andrew (Top Road area)	21	

### **Schemes in course of Preparation:**

Mettingham	38
Rumburgh/All Saints	68
Stoven/Brampton	47
Redisham	43

### **Schemes Approved in Principle:**

St. Cross/St. Margaret S.E.	57
-----------------------------	----

- (b) Total length of sewers controlled by Council (miles) ..... 13.264

- (c) Sewer Connections:

Connections made during year	.....	53
------------------------------	-------	----

- (d) Sewage Effluents:

Careful attention was given to the maintenance of proper standards of effluent, there being good co-operation with the East Suffolk and Norfolk River Authority.

All the village works are producing effluents within the Royal Commission Standards and typical chemical analyses for B.O.D. and S.S. are given below:

Parishes	Biochemical Oxygen Demand p.p.m.	Suspended Solids p.p.m.
* Brampton	7.4	12
* Flixton	9.0	8
* Homersfield	7.0	5
* Ringsfield	13.0	13
St. James	5.7	5
* St. Lawrence	10.2	3
St. Margaret Ilketshall	5.1	18
* Westhall	10.5	20
Willingham	2.6	7
* Worlingham	4.4	9
* Before polishing		



- (e) Disposal of Sewage in Co-operation with Neighbouring Authorities:  
 In Beccles Borough area eighty-eight properties and one primary school are drained to the Worlingham works.  
 Sewage from Barnby and Mutford in the Lothingland Rural District, is pumped to the Worlingham works.  
 Sewers in the parish of Holton drain into the Halesworth Urban District Council system.  
 All sewage from the Blyford and Wissett schemes is pumped to Halesworth.

## WATER SUPPLIES

- (a) The area is well served by the East Anglian Water Company.  
 (b) The department continued to sample both private and public supplies. Excellent co-operation was maintained with the Company.  
 (c) The water supply to the Rural Area has been satisfactory in quality and quantity.  
 (d) The District is supplied from three different sources situated at Holton, Barsham and Bungay.  
 Copies of typical bacteriological and chemical analyses by Messrs. Lincolne, Sutton and Wood Ltd. are given below.

### Certificate of Analysis of Water — Treated Water

Date received .....	20th February 1969
Sample received from .....	East Anglian Water Company
Marked .....	Holton — No. 2 and 3 Bore

### Results of Chemical Analysis in parts per Million

Ammoniacal nitrogen.....	Neg. trace
Albuminoid nitrogen .....	0.01
Nitrate nitrogen .....	0.1
Nitrite nitrogen .....	Nil
Chlorion as Chlorine .....	150
Oxygen absorbed .....	0.28
Hardness:	
Total .....	325
Carbonate (temporary) .....	235
Non-carbonate (permanent) .....	90
Free carbon dioxide .....	14
Total solids (at 180 degrees C.) .....	605
Iron (total) .....	0.10
Metals in solution — lead, copper, zinc .....	Nil
Odour .....	Nil
Fluoride .....	0.25
pH. ....	7.35
Colour .....	Nil
Appearance .....	Clear
Deposit .....	Nil

### Bacteriological Examination Report

Plate Count:

Colonies per ml. on agar at 37 degrees C., 2 days .....	Nil
Probable number of coliform organisms per 100 ml. MacConkey 2 days, 37 degrees C. ....	Nil
Number of Bact. Coli. (type I) .....	Nil

**Remarks:**

The organic quality of this water is very good; the ammonical nitrogen present in the raw water has been almost completely removed by the treatment applied, which has also reduced the iron content to negligible proportions. This water is suitable for drinking and general purposes.

**Certificate of Analysis of Water — TREATED WATER**

Date received	.....	17th November 1969
Sample received from	.....	East Anglian Water Company
Marked	.....	Outney Common, Bungay

**Results of Chemical Analysis in parts per Million**

Ammoniacal nitrogen	.....	Neg. trace
Albuminoid nitrogen	.....	0.03
Nitrate Nitrogen	.....	0.6
Nitrite nitrogen	.....	Nil
Chlorion as Chlorine	.....	0.70
Oxygen absorbed	.....	0.52
Hardness:		
Total	.....	340
Carbonate (temporary)	.....	205
Non-carbonate (permanent)	.....	135
Free carbon dioxide	.....	30
Total solids (at 180 degrees C.)	.....	505
Iron (total)	.....	0.05
Metals in solution — lead, copper, zinc	.....	Nil
Fluoride	.....	0.3
pH.	.....	6.9
Colour	.....	Nil
Appearance	.....	Clear
Deposit	.....	Nil
Odour	.....	Nil
Taste	.....	Satisfactory

**Bacteriological Examination Report**

Plate Count:	
Colonies per ml. on agar at 37 degrees C., 2 days	..... Nil
Probable number of coliform bacilli per 100 ml.	..... Nil

**Remarks:**

The organic and bacteriological quality of this water is very good. The analysis of this water is almost identical to previous samples. In our opinion the treated water is suitable for drinking and general purposes.



Certificate of Analysis of Water — TREATED WATER

Date received	.....	.....	.....	.....	.....	.....	.....	.....	4th August 1969
Sample received from	.....	.....	.....	.....	.....	.....	.....	.....	East Anglian Water Company
Marked	.....	.....	.....	.....	.....	.....	.....	.....	Barsham Bores

Results of Chemical Analysis in Parts per Million

Ammoniacal nitrogen	.....	.....	.....	.....	.....	.....	.....	.....	Neg. trace
Albuminoid nitrogen	.....	.....	.....	.....	.....	.....	.....	.....	Neg. trace
Nitrate nitrogen	.....	.....	.....	.....	.....	.....	.....	.....	Nil
Nitrite nitrogen	.....	.....	.....	.....	.....	.....	.....	.....	Nil
Chlorion as chlorine	.....	.....	.....	.....	.....	.....	.....	.....	56
Oxygen absorbed (4 hr. 80 degrees F.)	.....	.....	.....	.....	.....	.....	.....	.....	0.30
Hardness:									
Total	.....	.....	.....	.....	.....	.....	.....	.....	375
Carbonate (temporary)	.....	.....	.....	.....	.....	.....	.....	.....	250
Non-carbonate (permanent)	.....	.....	.....	.....	.....	.....	.....	.....	125
Free Carbon dioxide	.....	.....	.....	.....	.....	.....	.....	.....	22
Total solids (at 180 degrees C.)	.....	.....	.....	.....	.....	.....	.....	.....	520
Iron (Total)	.....	.....	.....	.....	.....	.....	.....	.....	Nil
Metals in solution, lead, copper, zinc	.....	.....	.....	.....	.....	.....	.....	.....	Nil
Manganese	.....	.....	.....	.....	.....	.....	.....	.....	0.08
Fluoride	.....	.....	.....	.....	.....	.....	.....	.....	0.2
pH.	.....	.....	.....	.....	.....	.....	.....	.....	7.3
Colour	.....	.....	.....	.....	.....	.....	.....	.....	Nil
Appearance	.....	.....	.....	.....	.....	.....	.....	.....	Clear
Deposit	.....	.....	.....	.....	.....	.....	.....	.....	Nil
Taste	.....	.....	.....	.....	.....	.....	.....	.....	Satisfactory
Odour	.....	.....	.....	.....	.....	.....	.....	.....	Nil

Bacteriological Examination Report

Plate Count:									
Colonies per ml. on agar at 37 degrees C., 2 days	.....	.....	.....	.....	.....	.....	.....	.....	Nil
Probable number of coliform bacilli per 100 ml.	.....	.....	.....	.....	.....	.....	.....	.....	Nil

Remarks:

This water is of very good organic quality and there is no chemical evidence of pollution. The analysis as a whole is in accordance with expectation. The iron content has been reduced to a satisfactorily low level and the water remains clear on standing. In our opinion, this water is suitable for drinking and general purposes.

(d) Water Sampling:

Samples Taken	Supply	Samples Taken	Satisfactory	Unsatisfactory
Bacteriological	Private	13	3	10
	Public	6	6	—
Chemical	Private	5	5	—
	Public	—	—	—

During the year six bacteriological samples were taken from the three sources.

- (e) The waters are not liable to have plumbo-solvent action. All the samples show the characteristic hardness of East Anglian waters.
- (f) No contamination of any form during the year.

(g)	Number of dwelling houses supplied with mains water direct to the houses	.....	.....	2074
	Number of dwelling houses supplied with mains water by means of stand-pipes	.....	.....	168
				<u>2242</u>

Total number of inhabited houses	.....	.....	.....	.....	.....	.....	.....	.....	2451
Number of houses not supplied with mains water	.....	.....	.....	.....	.....	.....	.....	.....	209
Estimated population supplied with mains water direct to houses	.....	.....	.....	.....	.....	.....	.....	.....	5899
Estimated population supplied with mains water by stand-pipes	.....	.....	.....	.....	.....	.....	.....	.....	477
								Total	<u>6376</u>

Estimated total population	.....	.....	.....	.....	.....	.....	.....	.....	.....	6970
Estimated population not supplied with mains water	.....	.....	.....	.....	.....	.....	.....	.....	.....	594
Estimated number of persons per house	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.84

Name of Parish	Supplied by Mains Water Direct		Supplied by Stand-pipe	
	Houses	Population	Houses	Population
All Saints .....	46	131	2	6
Barsham .....	58	165	12	34
Blyford .....	39	111	2	6
Brampton .....	78	222	9	26
Ellough .....	18	51	—	—
Flixton .....	45	128	1	3
Holton .....	182	518	5	14
Mettingham .....	67	190	7	20
North Cove .....	60	171	2	6
Redisham .....	34	97	10	28
Ringsfield .....	65	185	5	14
Rumburgh .....	50	142	19	53
St. Andrew .....	59	168	30	85
St. Cross .....	28	80	—	—
St. James .....	51	145	1	3
St. John .....	9	26	—	—
St. Lawrence .....	60	171	1	3
St. Margaret Ilketshall .....	56	159	1	3
St. Margaret South Elmham .....	22	63	2	6
St. Mary (Homersfield) .....	47	134	—	—
St. Michael .....	19	54	—	—
St. Peter .....	11	31	—	—
Shadingfield .....	39	111	1	3
Shipmeadow .....	21	60	5	14
Sotherton .....	33	94	3	9
Sotterley .....	44	125	4	11
Spexhall .....	63	179	2	6
Stoven .....	24	68	1	3
Westhall .....	87	247	17	48
Weston .....	55	156	2	6
Willingham .....	41	117	4	11
Wissett .....	79	225	16	45
Worlingham .....	484	1376	4	11
	2074	5899	168	477

### PUBLIC SWIMMING BATHS

There are no public swimming baths in the area.

### COMMON LODGING HOUSES

There are no common lodging houses in the area.

### NATIONAL ASSISTANCE ACT 1948, SECTION 47

No persons removed under the provisions of this Act.



**FACTORIES ACT, 1937—61**  
**Prescribed Particulars on the Administration of the Factories Act, 1937**  
**for the Rural District of Wainford**  
**Part I of the Act**

(a) Inspections:

<i>Premises</i>	<i>Number on Register</i>	<i>Number of Inspections</i>
1. Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities .....	2	2
2. Factories not included in 1, in which Section 7 is enforced by the Local Authority .....	20	58
3. Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) .....	51	141
Total .....	73	201

(b) Cases of Inspection in which Defects were found:

<i>Particulars</i>	<i>Found</i>	<i>Remedied</i>
1. Ineffective drainage of floors .....	—	—
2. Sanitary Conveniences:		
Insufficient .....	—	—
Unsuitable or defective .....	3	3
Not separate for sexes .....	—	—
3. Other offences against the Act (not including offences relating to out-work) .....	—	—
Total .....	3	3

**Part VIII of the Act**  
**Outwork**  
**(Sections 133 and 134)**

<i>Nature of work</i>	<i>No. of out-workers in August list required by Section (133)</i>	<i>No. of cases of default in sending lists to the Council</i>	<i>No. of prosecutions for failure to supply lists</i>	<i>No. of instances of work in unwholesome premises</i>	<i>Notices Served</i>	<i>Prosecutions</i>
(1)	(1) (c) (2)	(3)	(4)	(5)	(6)	(7)
Wearing Apparel (making)	6	—	—	—	—	—



## AGRICULTURE (SAFETY, HEALTH AND WELFARE PROVISIONS) ACT, 1956

(a)	Number of agricultural premises in area .....	315
(b)	Number of agricultural premises where persons employed (estimated) other than occupier and family .....	110
(c)	Number of agricultural premises inspected .....	47
(d)	Number of premises where informal action taken .....	—
(e)	Number of premises where formal action taken .....	—

## THE OFFICES, SHOPS AND RAILWAY PREMISES ACT 1963

(a) Registration and general inspections:

<i>Class of premises</i>	<i>No. of premises registered during the year</i>	<i>No. of premises inspected generally</i>
Offices .....	—	6
Retail shops .....	—	4
Wholesale shops, warehouses .....	—	—
Catering establishments open to the public, canteens .....	—	3
Fuel storage depots .....	—	—

(b) Analysis of persons employed:

<i>Class of workplace</i>	<i>No. of persons employed</i>
Offices .....	29
Retail shops .....	9
Wholesale departments, warehouses .....	—
Catering establishments open to public .....	9
Canteens .....	—
Fuel storage depots .....	—
Total .....	47
Total Males .....	22
Total Females .....	25

(c) Total number of visits to registered premises ..... 58





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